



Title V Operating Permit

Permit No: **TV-OP-25**
Date Issued: **May 24, 2000**

This certifies that:

L.W. Packard and Company, Inc.
6 Mill Street
P.O. Box 515
Ashland, NH 03217-0515

has been granted a Title V Operating Permit for the following facility and location:

L.W. Packard and Company, Inc.
Route 132
New Hampton, Belknap County, NH 03862
AFS No. 3300190001

This Title V Operating Permit is hereby issued under the terms and conditions specified in the Title V Operating Permit Application filed with the New Hampshire Department of Environmental Services on **April 13, 1998** under the signature of the following responsible official certifying to the best of their knowledge that the statements and information therein are true, accurate and complete.

Responsible Official:
Susan Francesco
Vice-President
(603) 968-3351, Extension 314

Technical Contact:
Susan Francesco
Vice-President
(603) 968-3351, Extension 314

This Permit is issued by the New Hampshire Department of Environmental Services, Air Resources Division pursuant to its authority under New Hampshire RSA 125-C and in accordance with the provisions of Code of the Federal Regulations 40 Part 70.

This Title V Operating Permit shall expire on **May 24, 2005**.

SEE ATTACHED SHEETS FOR ADDITIONAL PERMIT CONDITIONS

TABLE OF CONTENTS

Permit Section Number	Title V Operating Permit Condition	Page Number
	Facility Specific Title V Operating Permit Conditions	
I.	Facility Description of Operations	4
II.	Permitted Activities	4
III.	Significant Activities Identification - Table 1. Stack Criteria	4-5
IV.	Insignificant Activities Identification	5
V.	Exempt Activities Identification	5
VI.	Pollution Control Equipment Identification	5
VII.	Alternative Operating Scenarios	5
VIII.	Applicable Requirements	5
VIII. A.	State-only Enforceable Operational and Emission Limitations - Table 2	6-7
VIII. B.	Federally Enforceable Operational and Emission Limitations - Table 3.	7-8
VIII. C.	Emission Reductions Trading Requirements	8
VIII. D.	Monitoring and Testing Requirements - Table 4.	8-10
VIII. E.	Recordkeeping Requirements - Table 5.	10-12
VIII. F.	Reporting Requirements - Table 6.	13-14
IX.	Requirements Not Currently Applicable	15
	General Title V Operating Permit Conditions	
X.	Issuance of a Title V Operating Permit	15
XI.	Title V Operating Permit Renewal Procedures	15
XII.	Application Shield	15
XIII.	Permit Shield	15-16
XIV.	Reopening for Cause	16
XV.	Administrative Permit Amendments	17
XVI.	Operational Flexibility	17-18
XVII.	Minor Permit Amendments	18

Permit Section Number	Title V Operating Permit Condition	Page Number
XVIII.	Significant Permit Amendments	18-19
XIX.	Title V Operating Permit Suspension, Revocation, or Nullification	19
XX.	Inspection and Entry	19
XXI.	Certifications	19-20
XXII.	Enforcement	20-21
XXIII.	Emission-Based Fees	21-22
XXIV.	Duty to Provide Information	22
XXV.	Property Rights	22
XXVI.	Severability Clause	22
XXVII.	Emergency Conditions	22-23
XXVIII.	Permit Deviations	23

Facility Specific Title V Operating Permit Conditions

I. Facility Description of Operations:

The L.W. Packard and Company, Inc. (L.W. Packard) facility is located in New Hampton, New Hampshire. It manufactures woolen cloth for coats, blankets and other garments. The greige (unfinished) woolen goods are brought to the New Hampton facility to be cleaned in the scouring/carbonizing machine. The cloth enters a perchloroethylene scouring unit, where solvent is sprayed on the cloth. Dirty liquid solvent is separated from water, filtered, distilled/condensed and reused continuously. After the perchloroethylene solvent has been applied, the cloth is then impregnated with a dilute sulfuric acid solution and squeezed through rollers to remove excess liquid. Water and sulfuric acid are also filtered and reused continuously. The recycle process is all enclosed and is part of the carbonizing machine. The sulfuric acid functions as a carbonizing reagent, removing organic contaminants, like grass, wood chips, polypropylene and organic matter, from the cloth. After application of the acid, the cloth passes into a drying and baking unit where the remaining water and solvent are driven off. The vegetable matter in the cloth is converted to carbon (carbonized) at this time. Finally, the fabric is deodorized and cooled by passing air through the cloth. Solvent is recovered from the air by a closed-loop carbon adsorption system with a steam de-sorption cycle. The New Hampton facility is a major source for emissions of perchloroethylene (CAS #127-18-4), and therefore requires a Title V Operating Permit.

II. Permitted Activities:

In accordance with all of the applicable requirements identified in this permit, the permittee is authorized to operate the devices and or processes identified in Sections III., IV., V., and VI. within the terms and conditions specified in this Permit.

III. Significant Activities Identification:

A. The activities identified in Table 1 are subject to and regulated by this Title V Operating Permit:

Table 1 - Significant Activity Identification			
Emission Unit Number	Description of Emission Unit	Exhaust Stack Identification	Emissions Unit Maximum Allowable Permitted Capacity
EU01	Scouring/carbonizing Machine Sperotto Rimar SPA	Stack S1	The maximum operating rate for this machine shall be limited to 2,205 pounds of cloth per hour, with a total perchloroethylene (CAS #127-18-4) consumption rate limited to 1.0% of the total cloth throughput on a 24-hour basis. The maximum perchloroethylene consumption rate shall be limited to 33.1 tons during any consecutive 365-day period. The machine shall be equipped and operated with separators, distillers/condensers and a closed-loop carbon adsorption system, as well as a secondary carbon absorber system in the cooling phase. This equipment shall not be bypassed during startup or shutdown of the device. State only enforceable requirement.
EU02	Boiler #1 9.85 mmBtu/hr	Stack S2	Use of #2 fuel oil at no more than 0.4% sulfur content by weight. Hours of operation of this device shall be unrestricted.

Stack Criteria:

- B. The stack for the scouring/carbonizing machine at the facility shall discharge vertically without obstruction (including rain caps). In accordance with the state-only modeling requirements specified in Env-A 606, the stack outlet shall be at least 50 feet above ground level, and the stack outlet diameter shall not exceed 2.0 feet. The volumetric flow rate through the general ventilation stack shall be, at a minimum, 9,000 acfm at 68° F. The general ventilation stack shall be combined with the exhaust stack ventilating the scouring/carbonizing machine. Preauthorized changes to the state-only requirements pertaining to stack parameters (set forth in this permit), shall be permitted only when an air quality impact analysis which meets the criteria of Env-A 606 is performed either by the facility or the DES (if requested by facility in writing) in accordance with the “DES Policy and Procedure for Air Quality Impact Modeling”. All air modeling data shall be kept on file at the corporate facility for review by the DES upon request.

IV. Insignificant Activities Identification:

All activities at this facility that meet the criteria identified in the New Hampshire Rules Governing the Control of Air Pollution Part Env-A 609.03(g), shall be considered insignificant activities. Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based fee calculation described in Section XXIII. of this Permit.

V. Exempt Activities Identification:

All activities identified in the New Hampshire Rules Governing the Control of Air Pollution Env-A 609.03(c) shall be considered exempt activities and shall not be subject to or regulated by this Title V Operating Permit. Emissions from exempt activities shall not be included in the total facility emissions for the emission based fee calculation described in Section XXIII. of this Permit.

VI. Pollution Control Equipment Identification:

The scouring unit is operated with a closed loop carbon adsorption system, followed by a second carbon adsorption system in the cooling phase. These devices are considered to be part of the unit itself, and therefore are not considered to be control devices *per se*, however the scouring unit shall not be operated at any time without these units.

VII. Alternative Operating Scenarios:

No alternative operating scenarios were identified for this Permit.

VIII. Applicable Requirements:**A. State-only Enforceable Operational and Emission Limitations:**

The Permittee shall be subject to the state-only operational and emission limitations identified in

Table 2 below ¹.

Table 2 - State-only Enforceable Operational and Emission Limitations			
Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 606.04.	Facility Wide	The air pollution dispersion modeling impact analysis shall be conducted in accordance with 40 CFR 51, Appendix W.
2.	Env-A 1305.01(a) Impact Analysis and Permit Requirements	Facility Wide	New or modified devices, new or modified area sources, and existing devices or area sources for which new applications for permits are filed that have the potential to emit, in any amount, substances that meet the criteria of Env-A 1301 shall be subject to Env-A 1300, until such time as the Env-A 1400 requirements supersede the Env-A 1300 requirements. (As outlined below)
3.	Env-A 1305.01(b) Applicability of Impact Analysis and Permit Requirements	Facility Wide	Existing devices and sources operating or having a complete temporary permit application on file as of the effective date of this chapter and that have the potential to emit high toxicity air contaminants shall also be subject to this Part.
4.	Env-A 1305.02 Procedures for Air Quality Impact Analysis	Facility Wide	Air quality impact analysis of devices and area sources emitting substances meeting the criteria of Env-A 1301 shall be performed in accordance with the "DES Policy and Procedure for Air Quality Impact Modeling" or other comparable dispersion modeling methods approved by the EPA.
5.	Env-A 1403.01 Program Requirements	Facility Wide	New or modified devices or processes installed after May 8, 1998 shall be subject to the requirements of Env-A 1400.
6.	Env-A 1403.01 Program Requirements	EU01	The maximum cloth throughput rate for the scouring/carbonizing machine shall not exceed 2,205 lbs of cloth per hour averaged over 24-hours basis.
7.	Env-A 1403.01 Program Requirements	EU01	Perchloroethylene (CAS #127-18-4) consumption rate for the scouring/carbonizing machine shall be limited to 1% of the total cloth throughput, by weight, on a 365 rolling daily basis averaged over 30 day period. The maximum perchloroethylene consumption rate shall be limited to 520 pounds per day, for short term operational flexibility, and 33.1 tons during any consecutive 365-day period.
8.	Env-A 1403.01 Program Requirements	EU01	Short term daily flexibility may be exercised by limiting the emissions of perchloroethylene (CAS #127-18-4) including fugitive emissions, to 466 pounds per day during any consecutive 24-hour period. The daily and annual perchloroethylene emissions shall be limited to 19.4 pounds per hour and 29.1 tons during any consecutive 12-month period, respectively. These limits are based on modeling.
9.	Env-A 1403.02(a) Program Requirements	Facility Wide	All existing unmodified devices or processes which are in operation during the transition period ending three years from May 8, 1998 (May 8, 2001) shall comply with either Env-A 1300 or Env-A 1400.
10.	Env-A 1403.02(b) Program Requirements	Facility Wide	All existing devices or processes in operation after the transition period ending three years from May 8, 1998 (May 8, 2001) shall comply with Env-A 1400. Env-A 1300 will no longer be in effect.

¹ Regulatory requirements listed in this and following tables may be summarizations. Permittee should refer to the actual rule for full text.

Table 2 - State-only Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
11.	Env-A 1404.01(d) Permit Requirements	Facility Wide	Documentation for the demonstration of compliance shall be retained at the facility, and shall be made available to the DES for inspection.
12.	Env-A 1405.02 Application Procedures	Facility Wide	The owner of an existing device or process requiring a permit under chapter Env-A 1400 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000) an application for a modification to a Title V permit in accordance with Env-A 609.18, and a request to the DES to perform air dispersion modeling.
13.	Env-A 1405.03 Application Procedures	Facility Wide	The owner of an existing device or process requiring a permit under Env-A 1300 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000) a compliance plan identifying how the device or process will comply with chapter Env-A 1400 by the end of the transition period. The compliance plan shall contain the dates when the information required in Env-A 1405.02 will be filed with the DES.

14.	Env-A 1406.01 Methods of Demonstrating Compliance	Facility Wide	The owner of any device or process which emits a regulated toxic air pollutant shall determine compliance with the ambient air limits by using one of the methods provided in Env-A 1406.02, Env-A 1406.03, or Env-A 1406.04. Upon request, the owner of any device or process which emits a regulated toxic air pollutant shall provide documentation of compliance with the ambient air limits to the DES.
-----	--	---------------	--

² Stack test performed on 1/22/98 showed perchloroethylene emission rate of 5.34 lb/hr.

VIII. B. Federally Enforceable Operational and Emission Limitations

The Permittee shall be subject to the operational and emission limitations identified in Table 3 below.

Table 3 - Federally Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 1604.01(a) Maximum Sulfur Content	EU02	The sulfur content of #2 fuel oil burned at this facility shall not exceed 0.40 percent sulfur by weight.
2.	Env-A 2003.02	EU02	Visible Emission Standard for fuel burning devices installed after May 13, 1970. No

Table 3 - Federally Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
	Visible Emission Standard		owner or operator shall cause or allow average opacity from fuel burning devices installed after May 13, 1970 in excess of 20 percent for any continuous 6-minute period in any 60-minute period.
3.	Env-A 2003.08 Particulate Matter Emission Limitation	EU02	<p>No owner or operator shall cause or allow emissions of particulate matter from fuel burning devices installed on or after January 1, 1985 in excess of the rates set forth below, where:</p> <p>For a device with I (maximum gross heat input rate in 10^6 BTU/hr) less than 100, E (the maximum allowable particulate matter emission rate in lb/10^6 BTU) shall be equal to 0.30.</p> <p>The resulting particulate emission limits for this device is as follows:</p> <p style="text-align: center;">EU02: 0.30 lb/mmBtu</p>
4.	Env-A 2107.01 Visible Emission Standard	EU02	<p>(A) No person shall cause or allow visible fugitive emissions or visible stack emissions for any process, manufacturing, or service-based industry subject to Env-A 2107 to exceed an average of 20% opacity for any continuous 6-minute period in any 60-minute period, except as specified in Env-A 2000.</p> <p>(B) Opacity shall be determined in accordance with procedures set forth in 40 CFR Part 60, Appendix A, Method 9.</p>
5.	40 CFR 68.112(r)	Facility Wide	<p>The facility is subject to the Purpose and General Duty clause of the 1990 Clean Air Act, Section 112(r)(1). General Duty includes the following responsibilities:</p> <ol style="list-style-type: none"> 1. Identify potential hazards which may result from such releases using appropriate hazard assessment techniques; 2. Design and maintain a safe facility; 3. Take steps necessary to prevent releases; and 4. Minimize the consequences of accidental releases which do occur. <p>If, in the future, the facility wishes to store quantities of high risk regulated substances above the threshold levels, an emergency response plan shall be submitted to the DES. This plan shall include the information listed in 40 CFR 68, Subpart E.</p>

VIII. C. Emission Reductions Trading Requirements

The Permittee did not request emissions reduction trading in its operating permit application. At this point, the DES has not included any permit terms authorizing emissions trading in this permit.

All emission reductions trading, must be authorized under the applicable requirements of either Env-A 3000 (the “Emissions Reductions Credits (or ERCs) Trading Program”) or Env-A-3100 (the “Discrete Emissions Reductions (or DEC)s Trading Program”) and 42 U.S.C. §7401 et seq. (The “Act”), and must be provided for in this permit.

VIII. D. Monitoring and Testing Requirements

The Permittee is subject to the monitoring and testing requirements as contained in Table 4, below:

Table 4 - Monitoring/Testing Requirements

Item #	Device	Parameter	Method of Compliance	Frequency of Method	Regulatory Cite
1.	EU01& EU02	Allows for adequate dispersion of HAPs and other regulated pollutants	Conduct an annual inspection of each stack to determine that all stack parameters (height, diameter and cap) have not changed from values listed in the permit application and to determine that stacks are in good operating condition (no holes, dents, rusting or any other visible damage present). Records of inspections and subsequent maintenance conducted as a result of the annual inspections shall be kept on file at the facility for review by the DES and/or EPA upon request.	Annually or as needed	Env-A 806.01 and 40 CFR 70.6(a)(3) Federally Enforceable
2.	EU01	Allows for adequate dispersion of HAPs and other regulated pollutants	The permittee shall record the carbon change-outs in the scouring/carbonizing unit's carbon adsorption system in accordance with manufacturer's specifications.	Annually or more frequently	Env-A 806.01 and 40 CFR 70.6(a)(3) Federally Enforceable
3.	EU02	Sulfur content in liquid fuels	The operator shall conduct testing in accordance with appropriate ASTM test methods to determine compliance with the sulfur content limitation provisions in Env-A 1604.01(a) for liquid fuels in order to meet the reporting requirements as specified in Section VIII.E., Table 5, Item 7 of this Permit. Delivery tickets which contain information with regard to the percent sulfur by weight of the fuel oil being delivered may be used as an alternative to determine compliance with the sulfur content limitation provisions in Env-A 1604.01(a) for liquid fuels.	For each delivery of diesel fuel and #2 fuel oil to the facility	Env-A 809.01 Federally Enforceable
4.	EU01	Machine throughput	The total daily quantity of cloth used in the scouring/carbonizing machine shall be monitored and recorded daily. Perchloroethylene consumption based on 1% of total cloth throughput, by weight, shall be tracked and recorded daily.	Daily	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only Enforceable
5.	EU01	Perchloroethylene usage	The actual usage of perchloroethylene shall be tracked and recorded on a continuous basis. As each new tote is added to the scouring/carbonizing machine, the average perchloroethylene consumption rate is calculated in pounds of perchloroethylene per pounds of cloth. The actual daily consumption of perchloroethylene shall be calculated based on average perchloroethylene consumption and daily cloth throughput.	Maintain on a continuous basis	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only Enforceable
6.	EU01	Total perc. emissions	The percentage of perchloroethylene emitted and recorded relative to the weight of cloth processed shall be calculated from Items 4 and 5 above.	Daily	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only

Table 4 - Monitoring/Testing Requirements					
Item #	Device	Parameter	Method of Compliance	Frequency of Method	Regulatory Cite
					Enforceable
7.	EU01	Operating parameters for carbon adsorption system	<p>Facility shall monitor and record the following parameters once per work shift for the scouring/carbonizing unit's perchloroethylene recovery system:</p> <p>(A) Dryer condenser air outlet temperature. This temperature shall not exceed 40° (C);</p> <p>(B) Dryer condenser water outlet temperature. This temperature shall not exceed 40° (C);</p> <p>All data generated shall be kept on file at the corporate facility and made available to the DES and/or EPA upon request.</p>	Once per work shift	40 CFR 70.6(a)(3) Federally Enforceable
8.	EU02	Particulate Matter emissions	Facility shall monitor and record particulate emissions to assure compliance with Env-A 2003.08. Particulate matter emissions for each fuel burning device may be calculated using AP-42 Emission Factors or other acceptable method.	Annually	Env-A 2003.08 Federally Enforceable

VIII. E. Recordkeeping Requirements:

The Permittee shall be subject to the recordkeeping requirements identified in Table 5 below.

Table 5 - Applicable Recordkeeping Requirements				
Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	<p>Monthly records of fuel utilization & hours of operation for each fuel burning unit shall be kept at the facility and contain the following information:</p> <p>(A) Consumption;</p> <p>(B) Fuel type;</p> <p>(C) Sulfur content as percent sulfur by weight of fuel;</p> <p>(D) Btu content per pound of fuel;</p>	Monthly fuel consumption, and hours of operation.	EU02	Env-A 903.03 Federally Enforceable
2.	Annual records of actual emissions for each insignificant activity for determination of emission based fees.	Maintain at facility at all times.	Insignificant activities	Env-A 903.02 Federally Enforceable
3.	<p>NOx Recordkeeping Requirements: For fuel burning devices, including boilers, the following information shall be recorded and maintained:</p> <p>(A) Identification of fuel burning device;</p> <p>(B) Operating schedule for each fuel burning device identified in (A), above, including:</p> <p>1. Days per calendar week during the</p>	Maintain at facility at all times.	Facility Wide	Env-A 901.08 Federally Enforceable

Table 5 - Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
	<p>normal operating schedule;</p> <p>2. Hours per day during the normal operating schedule and for a typical ozone season day, if different from the normal operating schedule;</p> <p>3. Hours per year during the normal operating schedule;</p> <p>4. Type and amount of fuel burned for each fuel burning device; and</p> <p>5. The following NOx emission data:</p> <p>a. Theoretical potential emissions for each fuel burning device; and</p> <p>b. Actual Nox for each fuel burning device.</p>			
4.	The Permittee shall maintain records of the daily and hourly average quantity of cloth used and the daily and 12-month rolling average of the amount of perchloroethylene consumption to verify 1% consumption rate of perchloroethylene.	Daily, annually, or continuously, as required	EU01	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only Enforceable
5.	The Permittee shall maintain records of the daily and 12 month rolling average quantity of perchloroethylene emitted in EU01, as a function of the amount of cloth processed per day, as required in Condition VIII.D., Table 4, Item 5.	Daily, annually	EU01	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only Enforceable
6.	The Permittee shall maintain records of the pertinent process information for the scouring/carbonizing machine, as required in Condition VIII.D., Table 4, Item 7.	Daily	EU01	40 CFR 70.6(a)(3) Federally Enforceable
7.	Delivery tickets from each fuel oil supplier for each shipment of fuel oil received shall be kept on file in a form suitable for inspection and shall be made available to the DES and/or the EPA upon request. Each delivery ticket shall indicate the name, address and telephone number of the fuel oil supplier, the quantity of fuel oil delivered, and the percent sulfur by weight of the fuel oil being delivered. If delivery tickets do not contain sulfur content of fuel being delivered, the Permittee shall perform testing in accordance with appropriate ASTM test methods to determine compliance with the sulfur content limitation provisions in Env-A 1604.01(a) for liquid fuels.	Maintain on a continuous basis	EU02	40 CFR 70.6(a)(3) Federally Enforceable
8.	The Permittee shall retain records of all required monitoring data, recordkeeping and reporting requirements, and support information for a minimum of 5 years.	Retain for a minimum of 5 years	Facility Wide	40 CFR 70.6(a)(3)(ii)(B) Federally Enforceable

Table 5 - Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
9.	<p>The Permittee shall maintain records of monitoring requirements as specified in Table 4 of this Permit including:</p> <ul style="list-style-type: none"> (A) Preventive maintenance and inspection results for stacks and emission units; (B) Summary of testing and/or delivery ticket certifications for sulfur content limitation provisions; (C) Summary of inspection, maintenance, and test results (if any) performed on the boiler; and (D) Data collected on the operation and maintenance of the scouring/carbonizing unit's carbon adsorption system. 	Maintain on a continuous basis as specified in Table 4 of this Permit	Facility Wide	40 CFR 70.6(a)(3)(iii)(A) Federally Enforceable

VIII. F. Reporting Requirements:

The Permittee shall be subject to the reporting requirements identified in Table 6 below.

Table 6 - Applicable Reporting Requirements				
Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	Annual reporting and payment of emission based fees shall be conducted in accordance with Section XXIII. of this Permit.	Annually	Facility Wide	Env-A 704.03 Federally Enforceable
2.	NO _x Reporting Requirements: For fuel burning devices, including boilers, and miscellaneous sources, the owner or operator shall submit to the director, annually (no later than April 15th of the following year), reports of the data required by Condition VIII.E., Table 5, Item 3, including total annual quantities of all NO _x emissions.	Annually by April 15th of the following year.	EU02	Env-A 901.09(b)(1) Federally Enforceable
3.	Prompt reporting of deviations from Permit requirements shall be conducted in accordance with Section XXVIII. of this Permit.	Prompt reporting (i.e., within 8 hours of an occurrence).	Facility Wide	Env-A 911.03 & 40 CFR 70.6(a)(3)(iii)(B) Federally Enforceable
4.	A daily rolling average for cloth used and daily and 12-month rolling average of perchloroethylene consumed and emitted (based on amount of cloth used) shall be calculated and reported to the DES.	Annually (no later than April 15th of the following year)	EU01	Env-A 1300, Env-A 1400 Regulated Toxic Air Pollutants State Only Enforceable
5.	The permittee shall submit annual fuel usage reports indicating monthly fuel utilization and total hours of operation for the boiler as outlined in Condition VIII.E., Table 5, Item 1.	Annually (no later than April 15th of the following year)	EU02	40 CFR 70.6 (a)(1) Federally Enforceable
6.	The Permittee shall submit a summary report of monitoring data as specified in Table 4 of this permit including: <ul style="list-style-type: none"> (A) Preventive maintenance and inspection results for stacks and emission units; (B) Summary of testing and/or delivery ticket certifications for sulfur content limitation provisions; and (C) Summary of inspections, deviations, and test results (if any) performed on EU01 & EU02. 	Every 6 months (no later than January 31 and July 31)	Facility Wide	40 CFR 70.6(a)(3)(iii) (A) Federally Enforceable
7.	Any report submitted to the DES and/or the EPA shall include the certification of accuracy statement as outlined	As specified	Facility Wide	40 CFR 70.6(c)(1) Federally

Table 6 - Applicable Reporting Requirements

Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
	in Section XXI.B. of this Permit and shall be signed by the responsible official.			Enforceable
8.	Annual compliance certification shall be submitted in accordance Section XXI. of this Permit.	Annually (no later than April 15th of the following year).	Facility Wide	40 CFR 70.6(c)(1) Federally Enforceable

IX. Requirements Currently Not Applicable:

The Permittee did not identify any requirements not currently applicable to the facility.

General Title V Operating Permit Conditions**X. Issuance of a Title V Operating Permit:**

- A. This Permit is issued in accordance with the provisions of Part Env-A 609. In accordance with 40 CFR 70.6(a)(2) this Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date five (5) years after issuance of this Permit.

Permit expiration terminates the Permittee's right to operate the Permittee's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

- B. Pursuant to Env-A 609.02(b), this Permit shall be a state permit to operate as defined in RSA 125-C:11, III.

XI. Title V Operating Permit Renewal Procedures:

Pursuant to Env-A 609.06(b), an application for renewal of this Permit shall be considered timely if it is submitted to the Director at least six months prior to the designated expiration date of this Permit.

XII. Application Shield:

Pursuant to Env-A 609.07, if an applicant submits a timely and complete application for the issuance or renewal of a Permit, the failure to have a Permit shall not be considered a violation of this part until the Director takes final action on the application.

XIII. Permit Shield:

- A. Pursuant to Env-A 609.08(a), a permit shield shall provide that:
1. For any applicable requirement or any state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically included in this Permit, compliance with the conditions of this Permit shall be deemed compliance with said applicable requirement or said state requirement as of the date of permit issuance; and
 2. For any potential applicable requirement or any potential state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically identified in this Title V Operating Permit Section IX as not applicable to the stationary source or area source, the Permittee need not comply with the specifically identified federal or state requirements.
- B. The permit shield identified in Section XIII.A. of this Permit shall apply only to those conditions incorporated into this Permit in accordance with the provisions of Env-A 609.08(b). It shall not apply to certain conditions as specified in Env-A 609.08(c) that may be incorporated into this Permit

following permit issuance by DES.

- C. If a Title V Operating Permit and amendments there to issued by the DES does not expressly include or exclude an applicable requirement or a state requirement found in the NH Rules Governing the Control of Air Pollution, that applicable requirement or state requirement shall not be covered by the permit shield and the Permittee shall comply with the provisions of said requirement to the extent that it applies to the Permittee.
- D. If the DES determines that this Title V Operating Permit was issued based upon inaccurate or incomplete information provided by the applicant or Permittee, any permit shield provisions in said Title V Operating Permit shall be void as to the portions of said Title V Operating Permit which are affected, directly or indirectly, by the inaccurate or incomplete information.
- E. Pursuant to Env-A 609.08(f), nothing contained in Section XIII of this Permit shall alter or affect the ability of the DES to reopen this Permit for cause in accordance with Env-A 609.18 or to exercise its summary abatement authority.
- F. Pursuant to Env-A 609.08(g), nothing contained in this section or in any title V operating permit issued by the DES shall alter or affect the following:
 - 1. The ability of the DES to order abatement requiring immediate compliance with applicable requirements upon finding that there is an imminent and substantial endangerment to public health, welfare, or the environment;
 - 2. The state of New Hampshire's ability to bring an enforcement action pursuant to RSA 125-C:15,II;
 - 3. The provisions of section 303 of the Act regarding emergency orders including the authority of the EPA Administrator under that section;
 - 4. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - 5. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
 - 6. The ability of the DES or the EPA Administrator to obtain information about a stationary source, area source, or device from the owner or operator pursuant to section 114 of the Act; or
 - 7. The ability of the DES or the EPA Administrator to enter, inspect, and/or monitor a stationary source, area source, or device.

XIV. Reopening for Cause:

The Director shall reopen and revise a Title V Operating Permit for cause if any of the circumstances contained in Env-A 609.18(a) exist. In all proceedings to reopen and reissue a Title V Operating Permit, the Director shall follow the provisions specified in Env-A 609.18(b) through (g).

XV. Administrative Permit Amendments:

- A. Pursuant to Env-A 612.01, the Permittee may implement the changes addressed in the request for an administrative permit amendment as defined in Part Env-A 100 immediately upon submittal of the request.
- B. Pursuant to Env-A 612.01, the Director shall take final action on a request for an administrative permit amendment in accordance with the provisions of Env-A 612.01(b) and (c).

XVI. Operational Flexibility:

- A. Pursuant to Env-A 612.02(a), the Permittee subject to and operating under this Title V Operating Permit may make changes involving trading of emissions under this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application for and obtaining an amended Title V Operating Permit, provided that all the conditions are met as specified in section XVI. A. 1. through 7. of this permit and a notice is submitted to the DES and EPA describing the intended changes. At this point, DES has not included any permit terms authorizing emissions trading in this permit.
 - 1. The change is not a modification under any provision of title I of the Act;
 - 2. The change does not cause emissions to exceed the emissions allowable under the title V operating permit, whether expressed therein as a rate of emissions or in terms of total emissions;
 - 3. The owner or operator has obtained any temporary permit required by Env-A 600;
 - 4. The owner or operator has provided written notification to the director and administrator at least 15 days prior to the proposed change and such written notification includes:
 - a. The date on which each proposed change will occur;
 - b. A description of each such change;
 - c. Any change in emissions that will result and how this change in emissions will comply with the terms and conditions of the permit;
 - d. A written request that the operational flexibility procedures be used; and
 - e. The signature of the responsible official, consistent with Env-A 605.04(b);
 - 5. The Title V Operating Permit issued to the stationary source or area source already contains terms and conditions including all terms and conditions which determine compliance required under 40 CFR 70.6(a) and (c) and which allow for the trading of emissions increases and decreases at the permitted stationary source or area source solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements;

6. The owner or operator has included in the application for the Title V Operating Permit proposed replicable procedures and proposed permit terms which ensure that the emissions trades are quantifiable and federally enforceable for changes to the Title V Operating Permit which qualify under a federally- enforceable emissions cap that is established in the Title V Operating Permit independent of the otherwise applicable requirements; and
 7. The proposed change complies with Env-A 612.02 (e).
- B. Pursuant to Env-A 612.02(c), the Permittee subject to and operating under this Title V Operating Permit may make changes not addressed or prohibited by this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application, provided that all the conditions specified in Env-A 612.02(c)(1) through (6) are met and a notice is submitted to the DES and EPA describing the intended changes.
 - C. Pursuant to Env-A 612.02(d), the Permittee, Operator, Director and Administrator shall attach each notice of an off-permit change completed in accordance with Section XVI of this Title V Operating Permit to their copy of the current Title V Operating Permit.
 - D. Pursuant to Env-A 612.02(e), any change under Section XVI shall not exceed any emissions limitations established under the NH Rules Governing the Control of Air Pollution, or result in an increase in emissions, or result in new emissions, of any toxic air pollutant or hazardous air pollutant other than those listed in the existing Permit.
 - E. Pursuant to Env-A 612.02(f), the off-permit change shall not qualify for the permit shield under Env-A 609.08.

XVII. Minor Permit Amendments:

- A. Pursuant to Env-A 612.04 prior to implementing a minor permit modification, the Permittee shall submit a written request to the Director in accordance with the requirements of Env-A 612.04(b).
- B. The Director shall take final action on the minor permit amendment request in accordance with the provisions of Env-A 612.04(c) through (g).
- C. Pursuant to Env-A 612.04(g), the permit shield specified in Env-A 609.08 shall not apply to minor permit amendments under Section XVII. of this Permit.
- D. Pursuant to Env-A 612.04(i), the Permittee shall be subject to the provisions of Part Env-A 614 and Part Env-A 615 if the change is made prior to the filing with the Director a request for a minor permit amendment.

XVIII. Significant Permit Amendments:

- A. Pursuant to Env-A 612.05, a change at the facility shall qualify as a significant permit amendment if it meets the criteria specified in Env-A 612.05(a)(1) through (7).
- B. Prior to implementing the significant permit amendment, the Permittee shall submit a written request to the Director which includes all the information as referenced in Env-A 612.05(b) and (c) and shall

be issued an amended Title V Operating Permit from the DES. The Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if a request for a significant permit amendment is not filed with the Director and/or the change is made prior to the issuance of an amended Title V Operating Permit.

- C. The Director shall take final action on the significant permit amendment in accordance with the procedures specified in Env-A 612.05(d), (e) and (f).

XIX. Title V Operating Permit Suspension, Revocation or Nullification:

- A. Pursuant to RSA 125-C:13, the Director may suspend or revoke any final permit issued hereunder if, following a hearing, the Director determines that:
1. the Permittee has committed a violation of any applicable statute or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, order or permit condition in force and applicable to it; or
 2. that the emissions from any device to which this Permit applies, alone or in conjunction with other sources of the same pollutants, presents an immediate danger to the public health.
- B. The Director shall nullify any Permit, if following a hearing in accordance with RSA 541-A:30, II, a finding is made that the Permit was issued in whole or in part based upon any information proven to be intentionally false or misleading.

XX. Inspection and Entry:

Pursuant to Env-A 614.01, EPA and DES personnel shall be granted access to the facility covered by this Permit, in accordance with RSA 125-C:6,VII for the purposes of: inspecting the proposed or permitted site; investigating a complaint; and assuring compliance with any applicable requirement or state requirement found in the NH Rules Governing the Control of Air Pollution and/or conditions of any Permit issued pursuant to Chapter Env-A 600.

XXI. Certifications:

A. Compliance Certification Report

In accordance with 40 CFR 70.6(c) the Responsible Official shall certify, for the previous calendar year, that the facility is in compliance with the requirements of this permit. The report shall be submitted annually, no later than April 15th of the following year. The report shall be submitted to the DES and to the U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

In accordance with 40 CFR 70.6(c)(5), the report shall describe:

1. The terms and conditions of the Permit that are the basis of the certification;
2. The current compliance status of the source with respect to the terms and conditions of

this Permit, and whether the method was continuous or intermittent during the reporting period;

3. The methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
4. Any additional information required by the DES to determine the compliance status of the source.

B. Certification of Accuracy Statement

All documents submitted to the DES shall contain a certification of accuracy statement by the responsible official of truth, accuracy, and completeness. Such certification shall be in accordance with the requirements of 40 CFR 70.5(d) and contain the following language:

"I am authorized to make this submission on behalf of the facility for which the submission is made. Based on information and belief formed after reasonable inquiry, I certify that the statements and information in the enclosed documents are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

All reports submitted to DES (except those submitted as emission based fees as outlined in Section XXIII of this Permit) shall be submitted to the following address;

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095
ATTN: Mary Ruel, Compliance Bureau

All reports submitted to EPA shall be submitted to the following address;

Office of Environmental Stewardship
Director Air Compliance Program
United States Environmental Protection Agency
1 Congress Street
Suite 1100 (SEA)
Boston, MA 02114-2023
ATTN: Air Compliance Clerk

XXII. Enforcement:

Any noncompliance with a permit condition constitutes a violation of RSA 125-C:15, and, as to the conditions in this permit which are federally enforceable, a violation of the Clean Air Act, 42 U.S.C. Section 7401 et seq., and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the DES and/or EPA. Noncompliance may also be grounds for assessment of administrative, civil or criminal penalties in accordance with RSA 125-C:15 and/or the Clean Air Act. This Permit does not relieve the Permittee from the obligation to comply with

any other provisions of RSA 125-C, the New Hampshire Rules Governing the Control of Air Pollution, or the Clean Air Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

In accordance with 40 CFR 70.6 (a)(6)(ii) a Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

XXIII. Emission-Based Fee Requirements:

- A. The Permittee shall pay an emission-based fee annually for this facility as calculated each calendar year pursuant to Env-A 704.03.
- B. The Permittee shall determine the total actual annual emissions from the facility to be included in the emission-based multiplier specified in Env-A 704.03(a) for each calendar year in accordance with the methods specified in Env-A 620.
- C. The Permittee shall calculate the annual emission-based fee for each calendar year in accordance

$$FEE = E * DPT * CPI_m * ISF$$

with the procedures specified in Env-A 704.03 and the following equation:
Where:

- FEE = The annual emission-based fee for each calendar year as specified in Env-A 704.
- E = The emission-based multiplier is based on the calculation of total annual emissions as specified in Env-A 704.02 and the provisions specified in Env-A 704.03(a).
- DPT = The dollar per ton fee the DES has specified in Env-A 704.03(b).
- CPI_m= The Consumer Price Index Multiplier as calculated in Env-A 704.03(c).
- ISF = The Inventory Stabilization Factor as specified in Env-A 704.03(d).

- D. The Permittee shall contact the DES each calendar year for the value of the Inventory Stabilization Factor.
- E. The Permittee shall contact the DES each calendar year for the value of the Consumer Price Index Multiplier.
- F. The Permittee shall submit, to the DES, payment of the emission-based fee and a summary of the calculations referenced in Sections XXIII.B. and C of this Permit for each calendar year by October 15th of the following calendar year in accordance with Env-A 704.04. The emission-based fee and summary of the calculations shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95

Concord, NH 03302-0095
ATTN.: Emissions Inventory

- G. The DES shall notify the Permittee of any under payments or over payments of the annual emission-based fee in accordance with Env-A 704.05.

XXIV. Duty To Provide Information

In accordance with 40 CFR 70.6 (a)(6)(v), upon the DES's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the DES copies of records that the Permittee is required to retain by this Permit. The Permittee may make a claim of confidentiality as to any information submitted pursuant to this condition in accordance with Part Env-A 103 at the time such information is submitted to DES. DES shall evaluate such requests in accordance with the provisions of Part Env-A 103.

XXV. Property Rights

Pursuant to 40 CFR 70.6 (a)(6)(iv), this Permit does not convey any property rights of any sort, or any exclusive privilege.

XXVI. Severability Clause

Pursuant to 40 CFR 70.6 (a)(5), the provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

XXVII. Emergency Conditions

Pursuant to 40 CFR 70.6 (g), the Permittee shall be shielded from enforcement action brought for noncompliance with technology based² emission limitations specified in this Permit as a result of an emergency³. In order to use emergency as an affirmative defense to an action brought for

² Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

³ An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted facility was at the time being properly operated;
- C. During the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and
- D. The Permittee submitted notice of the emergency to the DES within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

XXVIII. Permit Deviation

In accordance with 40 CFR 70.6(a)(3)(iii)(B), the Permittee shall report to the DES all instances of deviations from Permit requirements, by telephone or fax, within 8 hours of discovery of such deviation pursuant to Env-A 902.02. This report shall include the deviation itself, including those attributable to upset conditions as defined in the Permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Said Permit deviation shall also be submitted in writing to the DES within fifteen (15) days of documentation of the deviation by facility personnel. Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII of this Permit.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.